Scientometrics, Vol. 30. No. 2–3 (1994) 543-546

Index to Volume 30

No. 1

Preface 5

S. Arunachalam, R. Srinivasan, V. Raman (Karaikudi, India)
International Collaboration in Science: Participation by the Asian Giants 7

Marie-Angèle de Looze (Grenoble, France)
The Application of Scientometric Tools to the Analysis of a Sector in Plant Biotechnologies: Nitrogen Fixation 23

L. Egghe (Diepenbeek, Belgium)
Bridging the Gaps: Conceptual Discussions in Informetrics 35

W. Glänzel, U. Schoepflin (Budapest, Hungary and Berlin, Germany)
A Stochastic Model for the Ageing of Scientific Literature 49

G. van Hooydonk, R. Gevaert, G. Milis-Proost, H. van de Sompel, K. Debackere (Ghent, Belgium)
A Bibliotheconomic Analysis of the Impact Factors of Scientific Disciplines 65

P. Jeannin, J. Devillard (Tarbes and Toulouse, France)
Towards a Demographic Approach to Scientific Journals 83

C. A. Macias-Chapula (México, D.F., México)
Non-SCI Subject Visibility of the Latin American Scientific Production in the Health Field 97

Olga Makovetskaya, V. Bernadsky (Kiev, Ukraine)
Scientometric Indicators for Identification of Technology System Life Cycle Phase 105

B. Martens, T. Saretzki (Tuebingen and Hamburg, Germany)
Quantitative Analysis of Thematic Structures in the Field of Biotechnology: A Study on the Basis of Conference Data 117

E. Matricciani (Milano, Italy)
Shannon's Entropy as a Measure of the "Life" of the Literature of a Discipline 129

F. Narin (New Jersey, NJ, USA)
Patent Bibliometrics 147

E. C. M. Noyons, A. F. J. van Raan (Leiden, The Netherlands)
Bibliometric Cartography of Scientific and Technological Developments of an R & D Field. The Case of Optomechatronics 157

Elsevier, Amsterdam – Oxford – New York – Tokyo
Akadémiai Kiadó, Budapest

INDEX TO VOLUME 30

Bluma C. Peritz (Jerusalem, Israel)
On the Heuristic Value of Scientific Publications and their Design; A Citation Analysis of Some Clinical Trials 175

Floor Rikken, R. Vos (Groningen, The Netherlands)
Searching for Adverse Drug Reactions at the Margin of Scientific Fields. The Scientometric Detection of Peripheral but Potentially Innovative Developments in Pharmaceutical Research 187

Adelaida Román, Aida Méndez (Madrid and Palma de Mallorca, Spain)
The Spanish Transition to Democracy Seen through the Spanish Database ISOC 201

R. Rousseau (Wilrijk and Oostende, Belgium)
Double Exponential Models for First-Citation Processes 213

H. Small (Philadelphia, PA, USA)
A SCI-Map Case Study: Building a Map of AIDS Research 229

T. Söderqvist (Roskilde, Denmark and Göteborg, Sweden), *A. M. Silverstein* (Baltimore, MD, USA)
Studying Leadership and Subdisciplinary Structure of Scientific Disciplines. Cluster Analysis of Participation in Scientific Meetings 243

Jean Tague-Sutcliffe (London, Ontario, Canada)
Modelling and Forecasting Contact Time as a Measure of Item Informativeness 259

W. A. Turner, A. Lelu, A. Georgel (Meudon and Saint Denis, France)
GEODE: Optimizing Data Flow Representation Techniques in a Network Information System 269

P. Vinkler (Budapest, Hungary)
The Origin and Features of Information Referenced in Pharmaceutical Patents 283

R. Wagner-Döbler, J. Berg (München, Germany)
Regularity and Irregularity in the Development of Scientific Disciplines: The Case of Mathematical Logic 303

M. Yitzhaki (Ramat-Gan, Israel)
Relation of Title Length of Journal Articles to Number of Authors 321

M. Zitt E. Bassecoulard (Nantes and Paris, France)
Development of a Method for Detection and Trend Analysis of Research Fronts Built by Lexical or Cocitation Analysis 333

Short Communications

A. Bookstein (Chicago, IL, USA)
Towards a Multi-Disciplinary Bradford Law 353

Hildrun Kretschmer (Neuendorf, Germany)
Coauthorship Networks of Invisible Colleges and Istitutional Communities 363

Nos. 2–3

Foreword 373

W. Glänzel, U. Schoepflin (Budapest, Hungary and Berlin, Germany)
Little Scientometrics, Big Scientometrics ... and Beyond 375

R. Rousseau (Wilrijk and Oostende, Belgium)
Similarities between Informetrics and Econometrics 385

L. Egghe (Diepenbeek and Wilrijk, Belgium)
Little Science, Big Science ... and Beyond 389

Aida Méndez (Palma de Mallorca, Spain)
Thinking about Scientometrics 393

A. Pouris (Faerie Glen, South Africa)
Is Scientometrics in a Crisis? 397

H. Dou (Marseille, France)
In which Business are We? 401

Jane M. Russell (México, D.F., México)
Back to the Future for Informetrics? 407

A. Schubert (Budapest, Hungary)
Little Scientometrics, Big Scientometrics – and Beyond 411

Bluma C. Peritz (Jerusalem, Israel)
Little Scientometrics, Big Scientometrics ... and Beyond 415

R. Barre (Paris, France)
Do not Look for Scapegoats! Link Bibliometrics to Social Sciences and Address Societal Needs 419

M. Krauskopf (Valdivia, Chile)
Epistemometria, A Term Contributing to Express the Meaning and Potential Methodologies of Scientometrics in Spanish Speaking Countries 425

H. Eto (Ibaraki, Japan)
Quality Assessment of Science Information Research and Service 429

L. Leydesdorff, P. Wouters (Amsterdam, The Netherlands)
Crisis or Critique? 433

W. E. McGrath (Buffalo, NY, USA)
Little Scientometrics, Big Scientometrics ... and Beyond 439

J. F. Miquel (Chatenay-Malabry, France)
Little Scientometrics, Big Scientometrics ... and Beyond 443

INDEX TO VOLUME 30

A. J. Meadows (Loughborough, UK)
Little Scientometrics, Big Scientometrics ... and Beyond 447

M. Bonitz (Dresden, Germany)
Promoting Scientometrics by International Schools 451

A. Bookstein (Chicago, IL, USA)
Scientometrics: New Opportunities 455

R. Todorov (Sofia, Bulgaria)
Facts or Imposed Names on Facts? 461

I. K. Ravichandra Rao (Bangalore, India)
Little Scientometrics, Big Scientometrics ... and Beyond 465

W. A. Turner (Meudon, France)
What's in an R: Info*R*metrics or Infometrics? 471

Terttu Luukkonen (Helsinki, Finland)
Are We Longing for the Golden Era Lost or for the One to Come? 481

B. C. Griffith (Philadelphia, PA, USA)
Little Scientometrics, Little Scientometrics, Little Scientometrics, Little Scientometrics, ... and so on and so on 487

P. Vinkler (Budapest, Hungary)
Words and Indicators. As Scientometrics Stands 495

Q. L. Burrell (Manchester, UK)
Scientostochastics? 505

V. S. Lazarev (Minsk, Republic of Belarus)
Notion of a Document: A Center of "Gravity Attraction" for Getting Metricians Together 511

C. le Pair (Utrecht, The Netherlands)
Puberty or Mid-Life Crisis 517

J. Vlachý (Praha, Czech Republic)
Scientometrics – What to Do? 521

A. F. J. van Raan (Leiden, The Netherlands)
Little Scientometrics, Big Scientometrics ... and Beyond 529

Hildrun Kretschmer (Neuendorf, Germany)
Quantity and Quality in 'Science of Science' 533

Book Review 539

Index to Volume 30 543

Scientometrics, Vol. 30, Nos. 2–3 (1994) 547-549

Author Index

ARUNACHALAM, S., SRINIVASAN, R., RAMAN, V.: International Collaboration in Science: Participation by the Asian Giants, 7

BARRE, R.: Do not Look for Scapegoats! Link Bibliometrics to Social Sciences and Address Societal Needs, 419

BASSECOULARD, E., *see* ZITT, M., 333

BERG, J., *see* WAGNER-DÖBLER, R., 303

BERNADSKY, V., *see* MAKOVETSKAYA, OLGA, 105

BONITZ, M.: Promoting Scientometrics by International Schools, 451

BOOKSTEIN, A.: Scientometrics: New Opportunities, 455

BOOKSTEIN, A.: Towards a Multi-Disciplinary Bradford Law, 353

BURRELL, Q. L.: Scientostochastics?, 505

DEBACKERE, K., *see* HOOYDONK, VAN, G., 65

DE LOOZE, MARIE-ANGÈLE, *see* LOOZE, DE, MARIE-ANGÈLE,23

DEVILLARD, J., *see* JEANNIN, P., 83

DOU, H.: In which Business are We?, 401

EGGHE, L.: Bridging the Gaps: Conceptual Discussions on Informetrics, 35

EGGHE, L.: Little Science, Big Science ... and Beyond, 389

ETO, H.: Quality Assessment of Science Information Research and Service, 429

GEORGEL, A., *see* TURNER, W. A., 269

GEVAERT, R., *see* HOOYDONK, VAN, G., 65

GLÄNZEL, W., SCHOEPFLIN, U.: A Stochastic Model for the Ageing of Scientific Literature, 49

GLÄNZEL, W., SCHOEPFLIN, U.: Little Scientometrics, Big Scientometrics ... and Beyond?, 375

GRIFFITH, B. C.: Little Scientomterics, Little Scientomterics, Little Scientomterics, Little Scientomterics, ... and so on and so on, 487

HOOYDONK, VAN, G., GEVAERT, R., MILIS-PROOST, G., SOMPEL, VAN DE, H., DEBACKERE, K.: A Bibliotheconomic Analysis of the Impact Factors of Scientific Disciplines, 65

JEANNIN, P., DEVILLARD, J.: Towards a Demographic Approach to Scientific Journals, 83

KRAUSKOPF, M.: Epistemometria, A Term Contributing to Express the Meaning and Potential Methodologies of Scientometrics in Spanish Speaking Countries, 425

KRETSCHMER, HILDRUN: Coauthorship Networks of Invisible Colleges and Institutional Communities, 363

KRETSCHMER, HILDRUN: Quantity and Quality in "Science of Science", 533

LAZAREV, V. S.: Notion of a Document: A Center of "Gravity Attraction" for Getting Metricians Together, 511

LELU, A., *see* TURNER, W. A., 269

LE PAIR, C., *see* PAIR, LE, C., 517

LEYDESDORFF, L., WOUTERS, P.: Crisis or Critique?, 433

Elsevier, Amsterdam – Oxford – New York – Tokyo
Akadémiai Kiadó, Budapest

AUTHOR INDEX TO VOLUME 30

LOOZE, DE, MARIE-ANGÈLE: The Application of Scientometric Tools to the Analysis of a Sector in Plant Biotechnologies: Nitrogen Fixation, 23

LUUKKONEN, TERTTU: Are We Longing for the Golden Era Lost or for the One to Come?, 481

MACIAS-CHAPULA, C. A.: Non-SCI Subject Visibility of the Latin American Scientific Production in the Health Field, 97

MAKOVETSKAYA, OLGA; BERNADSKY, V.: Scientometric Indicators for Identification of Technology System Life Cycle Phase, 105

MARTENS, B., SARETZKI, T.: Quantitative Analysis of Thematic Structures in the Field of Biotechnology: A Study on the Basis of Conference Data, 117

MATRICCIANI, E.: Shannon's Entropy as a Measure of the "Life" of the Literature of a Discipline, 129

MCGRATH, W. E.: Little Scientometrics, Big Scientometrics ... and Beyond, 439

MEADOWS, A. J.: Little Scientometrics, Big Scientometrics ... and Beyond, 447

MÉNDEZ, AIDA: Thinking about Scientomterics, 393

MÉNDEZ, AIDA, *see* ROMÁN, ADELAIDA, 201

MILIS-PROOST, G., *see* HOOYDONK, VAN, G., 65

MIQUEL, J. F.: Little Scientometrics, Big Scientometrics ... and Beyond, 443

NARIN, F.: Patent Bibliometrics, 147

NOYONS, E. C. M., RAAN, VAN, A. F. J.: Bibliometric Cartography of Scientific and Technological Developments of an R & D Field. The Case of Optomechatronics, 157

PAIR, LE, C.: Puberty or Mid-Life Crisis, 517

PERITZ, BLUMA, C.: Little Scientometrics, Big Scientometrics ... and Beyond, 415

PERITZ, BLUMA, C.: On the Heuristic Value of Scientific Publications and their Design; A Citation Analysis of Some Clinical Trials, 175

POURIS, A.: Is Scientometrics in a Crisis?, 397

RAAN, VAN, A. F. J.: Little Scientometrics, Big Scientometrics ... and Beyond, 529

RAAN, VAN, A. F. J., *see* NOYONS, E. C. M., 157

RAMAN, V., *see* ARUNACHALAM, S., 7

RAVICHANDRA RAO, I. K.: Little Scientometrics, Big Scientometrics ... and Beyond, 465

RIKKEN, FLOOR; VOS, R.: Searching for Adverse Drug Reactions at the Margin of Scientific Fields. The Scientometric Detection of Pheripheral but Potentially Innovative Developments in Pharmaceutical Research, 187

ROMÁN, ADELAIDA; MÉNDEZ, AIDA: The Spanish Transition to Democracy Seen through the Spanish Database ISOC, 201

ROUSSEAU, R.: Double Exponential Models for First-Citation Processes, 213

ROUSSEAU, R.: Similarities between Informetrics and Econometrics, 385

RUSSELL, JANE, M.: Back to the Future for Informetrics?, 407

SARETZKI, T., *see* MARTENS, B., 117

SCHOEPFLIN, U., *see* GLÄNZEL, W., 49, 375

SCHUBERT, A.: Little Scientometrics, Big Scientometrics – and Beyond, 411

SILVERSTEIN, A. M., *see* SÖDERQVIST, T., 243

SMALL, H.: A SCI-Map Case Study: Building a Map of AIDS Research, 229

SÖDERQVIST, T., SILVERSTEIN, A. M.: A Studying Leadership and Subdisciplinary Structure of Scientific Disciplines. Cluster Analysis of Participation in Scientific Meetings, 243

SOMPEL, VAN DE, H., *see* HOOYDONK, VAN, G., 65

SRINIVASAN, R., *see* ARUNACHALAM, S., 7

TAGUE-SUTCLIFFE, JEAN: Modelling and Forecasting Contact Time as a Measure of Item Informativeness, 259

TODOROV, R.: Facts or Imposed Names on Facts?, 461

TURNER, W. A.: What's in an R: Info*R*metrics or Infometrics? 471

TURNER, W. A., LELU, A., GEORGEL, A.: GEODE: Optimizing Data Flow Representation Techniques in a Network Information System, 269

VAN DE SOMPEL, H., *see* SOMPEL, VAN DE, H., 65

VAN HOOYDONK, G., *see* HOOYDONK, VAN, G., 65

VAN RAAN, A. F. J., *see* RAAN, VAN, A. F. J., 157, 529

VINKLER, P.: The Origin and Features of Information Referenced in Pharmaceutical Patents, 283

VINKLER, P.: Words and Indicators. As Scientometrics Stands, 495

VLACHY, J.: Scientometrics – What to Do?, 521

VOS, R., *see* RIKKEN FLOOR, 187

WAGNER-DÖBLER, R., BERG, J.: Regularity and Irregularity in the Development of Scientific Disciplines: The Case of Mathematical Logic, 303

WOUTERS, P., *see* LEYDESDORFF, L., 433

YITZHAKI, M.: Relation of Title Length of Journal Articles to Number of Authors, 321

ZITT, M., BASSECOULARD, E.: Development of a Method for Detection and Trend Analysis of Research Fronts Built by Lexical or Cocitation Analysis, 333